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(21) International Application Number: PCT/GB99/04081 (22) International Filing Date: 9 December 1999 (09.12.99) (30) Priority Data: 9826940.0 9 December 1998 (09.12.98) GB (71) Applicant (for all designated States except US): JOHNSON MATTHEY PUBLIC LIMITED COMPANY [GB/GB]; 2-4 Cockspur Street, Trafalgar Square, London SW1Y 5BQ (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): COOPER, Susan, Joy [GB/GB]; 54 Donnington Gardens, Reading RG1 5LZ (GB). HOOGERS, Gregor [NL/DE]; Fachhochschule Trier, Umwelt-Campus Birkenfeld, P.O. Box 1380, D-55761 Birkenfeld (DE). (74) Agent: WISHART, Ian, Carmichael; Johnson Matthey Technology Centre, Blounts Court, Sonning Common, Reading RG4 9NH (GB).		(81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: ELECTRODE STRUCTURE (57) Abstract A piston tolerant anode structure for use in fuel cells, in particular suitable for use on proton exchange membrane fuel cells, comprising a first catalytic component Pt-Y where Y is a bronze forming element, and optionally a third metal x alloyed with the platinum, and a second catalytic component It-M where M, metal, is alloyed with the platinum. An anode, a catalysed membrane, a membrane electrode assembly and a fuel cell comprising said electrode structure, are disclosed.		